

PATENT ABSTRACTS OF JAPAN

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(21)Application number : **02-036147** (71)Applicant : **MITSUBISHI RAYON ENG CO LTD**

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(54) HOLLOW FIBER FILTER MODULE

(57)Abstract:

PURPOSE: To obtain a hollow fiber filter module having a large surface area of hollow fibers by dividing a bundle of hollow fibers into plural small bundles, arranging these bundles in a straight tube in a uniformly dispersed state and setting a bundle dispersing tube at the roots of the bundles fixed with a fixing member.

CONSTITUTION: A hollow fiber filter module is composed essentially of a straight tube 1, a bent tube 2, a bundle 3 of hollow fibers, a bundle fixing member 4 and a bundle dispersing member 5. The bundle 3 is divided into plural small bundles, these bundles are arranged in the straight tube 1 in a uniformly dispersed state and the dispersing tube 5 nearly parallel to the tube 1 is set near the fixing member 4 at parts of the bundles exposed to the inside of the tube 1. The hollow fibers in the module can be kept in a dispersed state over a long period of time and a large surface area is ensured.

